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(21) International Application Number: PCT/US00/07408 (22) International Filing Date: 21 March 2000 (21.03.00) (30) Priority Data: 09/273,878 22 March 1999 (22.03.99) US (71) Applicant: AMCOL INTERNATIONAL CORPORATION [US/US]; One North Arlington, 1500 West Shure Drive, Arlington Heights, IL 60004 (US). (72) Inventors: EVANS, Samantha, J.; 3 Grove Street, West Hyde, Lymn Cheshire WA13 0HA (GB). HENDERSON, John, A.; 27 School Lane, Bidston Village, Birkenhead, Merseyside L43 7RD (GB). MITCHELL, Michael, A.; 440 Pheasant Ridge, Lake Zurich, IL 60047 (US). TOMLIN, Anthony, S.; 607 Longacre Lane, Island Lake, IL 60042 (US). (74) Agent: NAPOLI, James, J.; Marshall, O'Toole, Gerstein, Murray & Borun, 6300 Sears Tower, 233 South Wacker Drive, Chicago, IL 60606 (US).		(81) Designated States: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i> <i>Before the expiration of the time limit for amending the</i> <i>claims and to be republished in the event of the receipt of</i> <i>amendments.</i>
(54) Title: MULTICOMPONENT SUPERABSORBENT FIBERS (57) Abstract Multicomponent superabsorbent fibers are disclosed. The multicomponent fibers comprise at least one acidic water-absorbing resin and at least one basic water-absorbing resin. Each fiber contains at least one microdomain of the acidic resin in contact with, or in close proximity to, at least one microdomain of the basic resin. Blends of multicomponent superabsorbent fibers with particles of a second water-absorbing resin also are disclosed. Articles containing the multicomponent superabsorbent fibers also are disclosed.		

INTERNATIONAL SEARCH REPORT

Inte lional Application No

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A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 D01F8/10 A61L15/22

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 D01F A61L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, A	WO 99 25393 A (AMCOL INTERNATIONAL CORP) 27 May 1999 (1999-05-27) the whole document	1-65
A	WO 98 37149 A (GOLDMAN STEPHEN ALLEN ;PROCTER & GAMBLE (US)) 27 August 1998 (1998-08-27) the whole document	1-65
A	WO 98 24832 A (KIMBERLY CLARK CO) 11 June 1998 (1998-06-11) cited in the application the whole document	1-65

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

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Date of the actual completion of the international search

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INTERNATIONAL SEARCH REPORT

Information on patent family members

Initial International Application No

PCT/US 00/07408

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